A new grade in mobility

MOBILE PC PERFORMANCE

Enjoy the performance of an Intel® Core™ 2 Duo SU9300 processor (1.20GHz[1]) with Intel® Centrino® 2 technology and 3GB of pre-installed system memory.

The VAIO® TT series notebook comes pre-installed with Genuine Microsoft® Windows Vista® Business 32-bit.

Store virtually all your business presentations, team projects and important documents on the roomy 120GB[2] Serial ATA hard disk drive.

ENDLESS FEATURES

Enjoy an 11.1"[8] LED backlit, widescreen display with XBRITE-DuraView™ LCD technology for a brighter, crisper, tougher display that helps resist scratches.

An HDMI™ output provides single-cable connectivity (audio and video) to a compatible HDTV (cable sold separately)[18] or compatible external monitor.

A built-in microphone and MOTION EYE® camera with face-tracking technology allows for easy communication with friends and family[3].

A built-in biometric fingerprint scanner makes authentication and secure access quick and easy – you only need your fingerprint.

WIRELESS FREEDOM

Your friends, your news, and your entertainment when you need it. The VAIO® Lifestyle PC lets you browse the web in more places with Verzon Wireless Mobile Broadband Built-In, America's largest and most reliable 3G network[15].

Offering a massive boost in wireless connection speed and range, work and play quicker virtually anywhere within your office or café hotspot using next-generation 802.11n integrated wireless LAN technology[4].

Integrated Stereo A2DP Bluetooth® technology allows you to wirelessly connect to useful peripherals and stream CD-quality audio to compatible devices[17].

The ultraportable VAIO® TT notebook establishes a new grade in mobility with its thin-and-light design available in an array of stylish colors. What's more, this PC with a stunning 11.1"[8] LCD offers industry-leading mobile performance, balancing the power of Intel ® Centrino® 2 processor technology with a host of energy-conserving features that deliver maximum battery life.

VGN-TT230N/B

VAIO® TT Series Notebook

Specifications

General

Computer Type: Notebook

Type of Use: Ultra-portable

Action Buttons: Mute, Volume - / +, S1, Eject, WLAN / Bluetooth® on / off

Pointing Device: Electro-static touch pad

Security: Biometric Fingerprint Sensor Trusted Platform Module (TPM) TCG Ver.1.2 compliant

Hardware

Keyboard: QWERTY, 82 keys, 17.0 mm pitch, 1.7 mm stroke

Camera: Built-in MOTION EYE® camera and microphone

Processor

Type: Intel® Core™ 2 Duo Processor SU9300

Speed: 1.20 GHz[1]

Front Side Bus Speed: 800MHz

L2 Cache: 3MB

Technology: Intel® Centrino® 2 processor technology

Memory

Type: DDR3

Installed: 3GB PC3-6400 (2GBx1 + 1GBx1)

Maximum: 4GB[7]

Speed: 800MHz

Hard Drive

Capacity: 120GB[2]

Speed: 5400rpm

Interface: Serial ATA

Impact Protection: G-Sensor™ Shock Protection - Hard Disk Drive Protection[20]

Optical Drive

CD Support: Read / Write (CD-R/-RW)

DVD Support: Read / Write (DVD±R/±RW/±R DL/-RAM)

Expansion Slots

Multimedia Card Reader: One Memory Stick PRO™ (Standard/Duo) media slot with MagicGate® functionality One ExpressCard® /34 media slot One Secure Digital (SD memory card) media slot

Audio

Sound System: Intel® High Definition Audio

Display

Screen Size: 11.1"[8]

Resolution: 1366 x 768 (WXGA)

XBRITE-DuraView™ Technology: Yes

Back Light Technology: LED

Graphics

Processor: Mobile Intel® Graphics Media Accelerator 4500MHD with Intel® Clear Video Technology Total Available Graphics Memory: 1300MB (max.)[12]

Chipset: Mobile Intel® GS45 Express Chipset

Max. External Resolution via VGA: 1920x1200

Max. External Display Resolution via HDMI™ : 1920x1080

Max. External Resolution via DVI: 1920x1200

Inputs and Outputs

Microphone Input: 1

Port Replicator Connector(s): 1 (Bottom)

USB Port(s): 2 (2.0 compliant)

VGA Output(s): 1

DC-In: 1

i.LINK® Connection: 1 (4pin) i.LINK® connector (IEEE 1394)[11]

Headphone Output(s): 1

Ethernet Connection (s): 1

HDMI™ Output: 1[18]

Networking/Modem

Ethernet Protocol: 10Base-T/100Base-TX/1000Base-T (Gigabit)

Ethernet Speed: Fast Ethernet (RJ-45)

Wireless LAN: Intel® WiFi Link 5100AGN(802.11a/b/g/n)[4]

Bluetooth® Technology: Integrated Stereo A2DP Bluetooth® Technology (2.1 + EDR)[17]

Mobile Broadband: Verizon Wireless Mobile Broadband Built-in[19]

Power

Battery Type: Standard Capacity Lithium-ion Battery (VGP-BPS14/B)

Estimated Battery Life: 4.5 to 7.5 hours[6] Standard Capacity Battery 6.5 to 12.0 hours[5] Large Capacity Battery

Power Requirements: 68W + 10%

Input Voltage: 100-240V

Software

Operating System: Genuine Microsoft® Windows Vista® Business 32-bit / XP Pro downgrade

Supplied Software: Microsoft® Works SE 9.0 w/ 60-Day Trial Version of Microsoft® Office Small Business 2007[15]

VAIO® Multimedia Suite: "VAIO® Startup Assistant Click to Disc Editor - Import, Edit, Burn VAIO® Movie Story - Simple Movie Creation VAIO® MusicBox - Music by Mood VAIO® Media plus - Multimedia Streaming Software *Please access VAIO® Help and Support from your PC for a complete list of software applications and trials."

Anti-Virus & Recovery Software: Microsoft® Windows Live™ OneCare™ Trial Version[16]

Service and Warranty Information

Telephone Support: 1 year toll-free technical telephone assistance, available 24/7[14].

Online and Email Support: Support available from http://www.esupport.sony.com/EN/VAIO

Limited Warranty Term: 1 year limited warranty with International Repair Service Program[13]. See actual warranty for details.

International Service: 1 year international service plan available. Registration required. See www.sony.com/IRSP for details.

Environmental Information

EPEAT™ : Gold

RoHS®: Compliant For more information: www.sony.com/vaioeco

ENERGY STAR®: 4.0

Dimensions

Weight: 2.87 lbs.[9]

Measurements: 10.99"(W) x 0.93"(H) x 7.87"(D)[9,10]

Supplied Accessories

Power Cord

AC Adapter (VGP-AC16V13)

Standard Capacity Lithium-ion Battery (VGP-BPS14/B)

Optional Accessories

Large Capacity Battery (VGP-BPL14/B)

Stick AC Adapter (VGP-AC16V10)

Port Replicator (VGP-PRTT1)

Carrying Case (VGP-CKTT1)

Carrying Pouch (VGP-CP11)

Bluetooth® Laser Mouse[17] (VGP-BMS33/B)

Bluetooth® Presentation Controller[17] (VGP-BRMP10)

USB Portable Speaker (VGP-USP1)

100GB[2] Portable Hard Drive with Wireless Keys (VGP-UHDM10/B)

Privacy Filter (VGP-FL13)

Color: Silk Black

UPC Code: 027242760363

1. GHz denotes microprocessor internal clock speed; other factors may affect application performance. CPU speed will be reduced under certain operating conditions.
2. GB means one billion bytes when referring to hard drive capacity. TB means one trillion bytes when referring to hard drive capacity. Accessible capacity may vary. A portion of hard disk space is reserved as a recovery partition.
3. Broadband Internet service required along with third party services.
4. Requires 802.11n compatible access point. Some functionality may require Internet services.
5. Certain circumstances may limit/prevent Blu-ray Disc™ media playback. For optimal performance, download all updates from http://esupport.sony.com/EN/DRIVERS.
6. Actual battery life will vary based on product settings, usage patterns, battery and environmental conditions.
7. A portion of the system memory over 3GB may not be available to the operating system.
8. Viewable area measured diagonally.
9. Non-metric weights and measures are approximate and may vary.
10. Measured at the narrowest point
11. i.LINK is a trademark of Sony used only to designate that a product contains an IEEE 1394 connector. All products with an i.LINK connector may not communicate with each other.
12. Total Available Graphics Memory refers to the new Windows Vista® classification of graphics memory, which varies depending on the operating condition, version of device driver and system memory size.
13. See actual limited warranty for details. For a copy of Sony's warranty, please visit www.esupport.sony.com, call toll-free 888-476-6972 (888-4SONYPC), or write to Sony Electronics, 12451 Gateway Boulevard, Fort Myers, FL 33913.
14. For certain third party software applications, Sony provides first level phone support. Additional telephone support may be available from the applicable 3rd party vendor. Availability and schedule for any such support is determined by the applicable software vendor.
15. 60-Day Trial Version of Microsoft® Office 2007 - This trial software will work only for 60 days after you first use it. You will not be able to use the software if you do not activate it as described the first time you use the software. You can activate the software by Internet: Internet service charges may apply. If you want to keep using the software after the 60-day trial period, you must convert to the perpetual version. You can convert online by following the conversion instructions presented during setup and paying the required fees.
16. Microsoft® Windows Live™ OneCare™ Trial Version - This trial software will work for ninety (90) days after you first use it. You will not be able to use the software if you do not activate it as described the first time you use the software. You can activate the software by Internet: Internet service charges may apply. If you want to keep using the software after the 90-day trial period, you must buy a subscription. You can subscribe online by following the conversion instructions presented during setup and paying the required fees.
17. Interoperability and compatibility among Bluetooth® devices vary.
18. Requires high definition-capable display with HDMI™ connector. Image quality will vary.
19. Subscription with a third party carrier is required. Service activation and other fees apply. Terms & Conditions and additional restrictions apply.
20. G-Sensor™ Shock Protection will not work on pre-installed or downgraded Windows® XP Professional models. Windows Vista® is required for feature functionality.

Computer Interface: For this product,there are a multitude of varying software packages and add-on hardware options. This product is not manufactured to work with any specific software, and Sony does not and cannot make any warranty or representation with respect to the performance of this product with any particular software packages and/or non-Sony add-on hardware options except those mentioned here. Sony hereby disclaims any representations or warranties that this product is compatible with any combination of non-Sony products you may choose to connect to it. While Sony representatives or Sony authorized dealers may be able to assist you and may make recommendations, they are NOT authorized to vary or waive this disclaimer. Purchasers must determine for themselves the suitability and compatibility of the hardware and software in each and every particular instance. Software titles pre-installed on the Sony computer are subject to change without notice. Preinstalled software may not be identical to retail versions or have all documentation. Features and specifications are subject to change without notice.
Lamp in this product contains mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance (www.eiae.org).
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